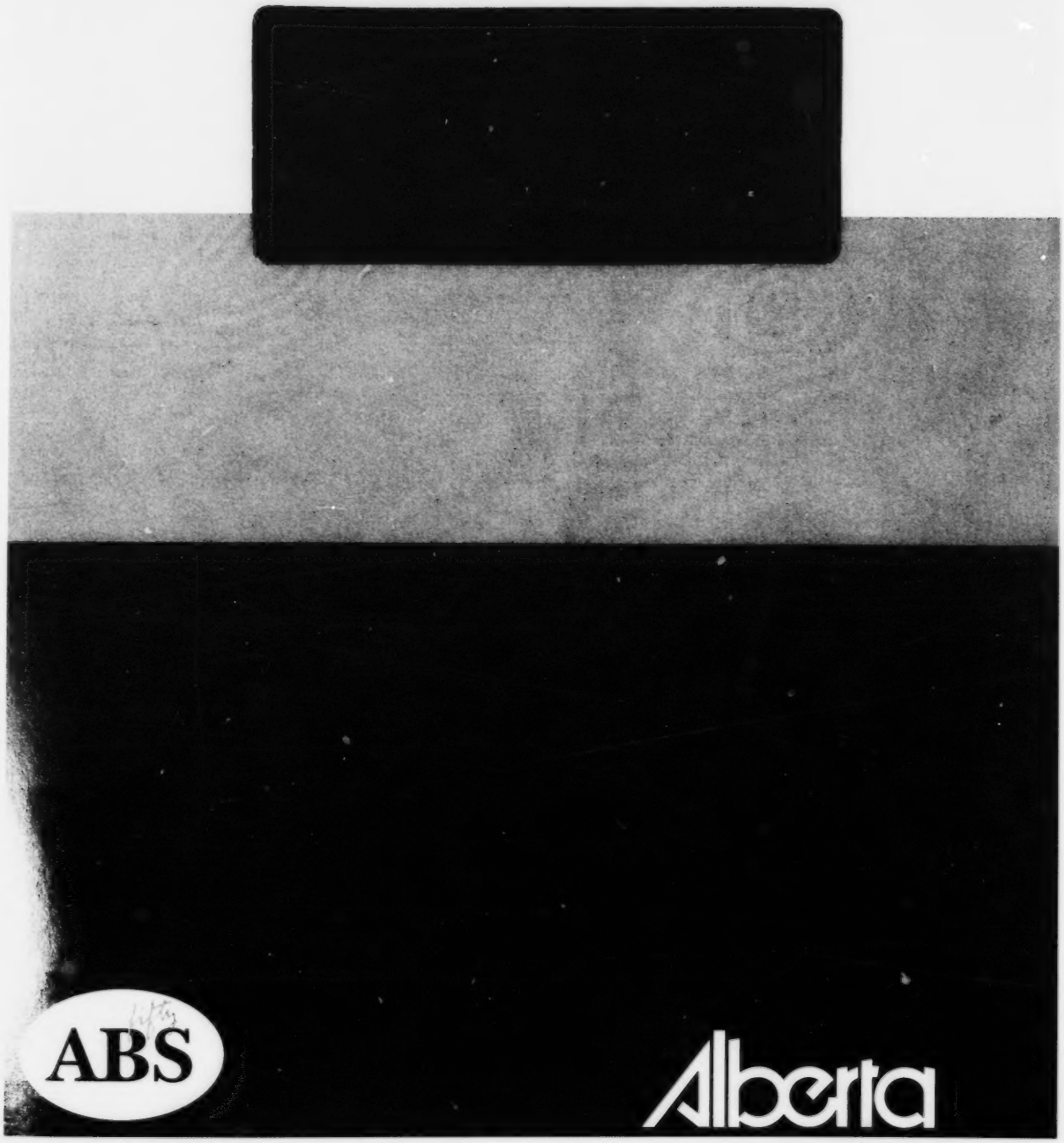

TREASURY
Bureau of Statistics

ALBERTA GROSS DOMESTIC PRODUCT

1988

PRELIMINARY ESTIMATES

Alberta Bureau of Statistics
Alberta Treasury
7th Floor
Sir Frederick W. Haultain Building
9811 - 109 Street
EDMONTON, Alberta, Canada
Telephone: (403) 427-3058
Fax: (403) 427-0409

July, 1989

90-00650/

Message From the Provincial Treasurer

I am delighted to congratulate the Alberta Bureau of Statistics for serving Albertans successfully for 50 years.

Since 1939, ABS has reported on Alberta as it shaped itself socially and economically into a diverse and dynamic province...a province rich in culture and industry. Exciting changes in the last half century include a population that has more than tripled in size; urban communities that have grown to over a half a million; an agricultural industry that has expanded into world-wide markets; and new industries that have broadened our economy.

Alberta fosters a dynamic rural community while continually developing our natural resources, manufacturing and service industries to keep our province robust and prosperous. In our increasingly diversified economy, advanced technology has created new jobs and new opportunities, tourism has become Alberta's third largest industry, and forestry has become a powerful influence.

ABS continues to track these changes by analyzing information from many sources and making it available to all Albertans. Meeting the challenge of the future, the Bureau uses the ASIST database to distribute a wealth of information electronically for many regions of the province.

I applaud all those dedicated employees, both past and present, who have provided these valuable services. The contributions of ABS help keep us close to the people and Province of Alberta. I wish the Bureau every success in its next half century.

Dick Johnston
Provincial Treasurer

PREFACE

The Alberta Bureau of Statistics will release the annual Alberta Economics Accounts, 1988 publication later this year. This report, the preliminary release of the consolidated tables, is provided to users who require more timely indicators as to how the economy performed in 1988. Since these are preliminary estimates, revisions will occur when final data become available.

We have changed the methodology used to deflate some of the components of the expenditure account. The most significant revision was in the estimation of constant dollar exports of oil and gas. We now use weighted average export prices for oil and gas rather than separate prices for exports to the rest of Canada and the rest of the world. This change lowered our constant dollar estimates of exports and GDP considerably for the years 1982 to 1987 from our previously published numbers. However, it is felt that this new method more accurately depicts the contribution to GDP of oil and gas exports under deregulated prices. Other methodological changes are identified in the introduction.

This report contains data for 1980 to 1987. Historical data for 1961 to 1979 are available on ASIST or can be obtained by contacting:

Alberta Bureau of Statistics
Alberta Treasury
7th Floor
Sir Frederick Haultain Building
9811 - 109 Street
EDMONTON, Alberta
T5K OC8
Telephone: (403) 427-3058
Fax: (403) 427-0409

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INTRODUCTION

This report contains summary tables detailing Alberta's economic production in 1988 as measured by preliminary estimates of gross domestic product (GDP). The tables include preliminary estimates of GDP and its components for both the income and expenditure accounts. We also have included tables showing constant dollar estimates of the expenditure account, implicit price indexes, and gross domestic product by industry as well as year-over-year percent changes for each of the tables. As noted in the preface, final data will be released later this year with the publication, Alberta Economic Accounts, 1988.

As ongoing users are aware, estimates of economic accounts data are subject to revisions for three or four years prior to the current year since some data, such as those based on detailed surveys or tax related information, are not finalized until several years after the reference year. In calculating the 1988 estimates, we have also changed the methodology used to deflate exports of oil and gas, investment in machinery and equipment, residential construction and imports. The most significant change was to exports, where we now use weighted average export prices for oil and gas rather than separate prices for exports to the rest of Canada and the rest of the world. This change more accurately reflects the contribution to GDP of oil and gas exports in a deregulated environment. The effect was to lower constant dollar estimates for exports and GDP considerably for 1982 to 1988. Another revision made was to the deflator for the alterations and improvements portion of residential construction. A new deflator for computers was incorporated into the constant dollar estimates for machinery and equipment, and imports.

The narrative and explanatory notes presented in this report are condensed in comparison to the annual publication. Readers are encouraged to consult the annual Alberta Economic Accounts publication for more complete information on concepts and methodology as well as more detailed information on the different sectors of the Alberta economy.

THE ALBERTA ECONOMY IN 1988

Preliminary estimates indicate that the Alberta economy showed strong growth in 1988. Gross domestic product (GDP), which measures the total value of production in the province, jumped by 6.4% to reach a level of $62.6 billion (current). When measured in real terms (constant 1981 dollars) the growth was even higher with a jump of 8.7%. The higher constant dollar growth reflects a 2% decline in the GDP implicit price index as the export prices for oil and gas declined during the year.

The main sources of growth on the expenditure side of the accounts were increased business investment in new machinery and equipment, which grew by 30.3% in current dollars and new non-residential construction, which jumped by 22.3%. Combined with the 14.8% increase in residential construction, total business gross fixed capital formation showed its highest rate of growth since 1981 with an increase of 23.5%. However, government capital formation declined by 5.5% resulting in a total increase of 19.4% in total gross fixed capital formation.

The most significant increase on the income account was for accrued net income of farm operators, which reached a record level of almost $1.3 billion, 85.8% higher than the 1987 value. The farm income portion of this total increased by 65% as a result of farm cash receipts increasing faster than operating expenses. Furthermore, farmers in Alberta were not affected as much by the drought which hit western Canada and were able to add to inventories rather than deplete them. The adjustment on grain transactions, which accounts for payments made by the Canadian Wheat Board, jumped from $27 million in 1987 to $186 million in 1988.

Other Highlights of the Expenditure Account

- Personal Expenditure on goods and services grew by 7.1% in current dollars, its highest rate of growth in three years. In constant dollars, the level of consumer expenditures grew by

4.5%. This was a big improvement over the small (0.3%) level of growth attained in 1987.

- Government current expenditure, which measures the level of current operating expenditures for all levels of government, increased by 7.4% in current dollars (3.3% real). This level of growth was considerably more than the modest growth of the last couple of years and was mainly caused by increased expenditures at the local level due to the hosting of the 1988 Winter Olympics by the City of Calgary.

- Final domestic demand (FDD), the sum of personal and government expenditures plus business investment, grew by 10.2% in current dollars. This was its highest rate of growth since 1981. In constant dollars, FDD jumped 8.5%.

- Total exports declined marginally (-0.1%) during the year. This was due to the value of oil exports declining substantially reflecting the decline in prices. The decrease in oil exports offset increased values of natural gas, live animals, grains and manufactured goods exported. Exports in constant (1981) dollars grew by 9.5% since the volumes of both oil and gas exported increased.

- With the components of Final domestic demand increasing by over 10%, the value of imports jumped by 11% during the year. Coupled with the small decline in exports, Alberta's trade surplus in current dollars fell from $4.5 billion in 1987 to $2.4 billion in 1988.

- The value of physical change in inventories increased from $288 million in 1987 to $436 million in 1988. This increase was mainly the result of increased grain prices as farm inventories jumped from $48 million in 1987 to $186 million in 1988.

Other Highlights of the Income Account

- The growth rate for wages and salaries was 7.0% in 1988, almost double the growth in 1987.

- After increasing by over 30% in 1987 to partially recover from the big decline registered in 1986, corporation profits again declined in 1988; this time by over 8%, mainly as a result of the lower prices for oil and natural gas.

- Interest and miscellaneous investment income grew by 11.7% after two consecutive years of decline. This increase was mostly the result of increased investment income of both governments and persons.

- Indirect taxes increased by 7.1% while subsidies declined by 12.7%.

The following tables present detailed data for the components of GDP in current and constant dollars along with their annual growth rates. Tables 9 and 10 provide data on GDP by industry at factor cost. Historical data for 1961 to 1979 are unchanged from the 1987 Alberta Economic Accounts and are available on ASIST or by request.

TABLE 1

GROSS DOMESTIC PRODUCT, INCOME BASED

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
	(MILLIONS OF DOLLARS)								
WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME (2)	17,000	21,030	23,147	23,207	23,961	25,757	26,212	27,147	29,052
CORPORATION PROFITS BEFORE TAXES	9,388	8,514	8,426	10,358	11,659	12,451	6,717	8,772	8,048
INTEREST AND MISCELLANEOUS INVESTMENT INCOME	7,221	8,466	9,805	10,171	11,296	11,578	8,820	8,498	9,494
ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION (3)	894	711	533	312	324	341	947	678	1,260
NET INCOME OF NON-FARM UNINCORPORATED BUSINESS, INCLUDING RENT	1,273	1,425	1,653	1,978	2,169	2,360	2,523	2,698	2,813
INVENTORY VALUATION ADJUSTMENT	-635	-650	-404	-220	-206	-134	-40	-225	-132
NET DOMESTIC INCOME AT FACTOR COST	35,141	39,496	43,160	45,806	49,203	52,353	45,179	47,568	50,535
CAPITAL CONSUMPTION ALLOWANCES	5,380	6,540	7,338	7,891	8,871	9,376	10,004	10,245	10,876
BUSINESS	4,901	5,960	6,661	7,136	8,043	8,484	9,049	9,213	9,813
GOVERNMENT	479	580	677	755	828	892	955	1,032	1,063
GROSS DOMESTIC PRODUCT AT FACTOR COST	40,521	46,036	50,498	53,697	58,074	61,729	55,183	57,813	61,411
INDIRECT TAXES	2,494	3,938	4,279	4,029	4,413	4,261	3,836	4,531	4,852
SUBSIDIES	-648	-692	-1,983	-2,826	-3,421	-2,713	-2,438	-2,184	-1,907
RESIDUAL	980	1,231	916	253	-353	-419	-303	-1,342	-1,746
GROSS DOMESTIC PRODUCT AT MARKET PRICES	43,347	50,513	53,710	55,153	58,713	62,858	56,278	58,818	62,610

(1) PRELIMINARY SUBJECT TO REVISION
(2) INCLUDES MILITARY PAY AND ALLOWANCES
(3) INCLUDES ADJUSTMENT ON GRAIN TRANSACTIONS

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

NOTE: DATA FOR 1961 TO 1988 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

TABLE 2

GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
	(MILLIONS OF DOLLARS)								
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	17,188	20,525	22,314	23,543	24,535	26,627	28,214	29,420	31,508
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES (2)	5,015	6,282	7,349	8,213	9,085	9,722	9,876	10,110	10,856
GROSS FIXED CAPITAL FORMATION	15,125	19,440	18,775	14,248	12,584	13,874	12,668	13,114	15,655
GOVERNMENT	1,428	2,192	2,842	2,266	1,866	2,082	2,093	1,873	1,770
RESIDENTIAL CONSTRUCTION	6	7	7	19	2	2	3	3	5
NON-RESIDENTIAL CONSTRUCTION	1,211	1,903	2,530	2,008	1,617	1,898	1,849	1,606	1,544
MACHINERY AND EQUIPMENT	211	282	305	239	247	182	241	264	221
BUSINESS	13,697	17,248	15,933	11,982	10,718	11,792	10,575	11,241	13,885
RESIDENTIAL CONSTRUCTION	3,077	3,416	2,780	2,146	1,501	1,616	1,664	2,002	2,299
NON-RESIDENTIAL CONSTRUCTION	6,996	8,697	8,379	6,105	5,791	6,791	5,713	5,674	6,942
MACHINERY AND EQUIPMENT	3,624	5,135	4,774	3,731	3,426	3,385	3,198	3,565	4,644
FINAL DOMESTIC DEMAND	37,328	46,247	48,438	46,004	46,204	50,223	50,758	52,644	58,019
INVENTORIES	525	88	-1,059	-656	-316	96	1,051	288	436
NON-FARM	379	118	-987	-451	121	188	231	248	283
FARM	100	2	-70	-231	-407	-9	690	48	186
GRAIN IN COMMERCIAL CHANNELS	46	-32	-2	26	-30	-83	130	-8	-33
EXPORTS OUT OF ALBERTA	21,175	23,789	25,937	27,550	30,036	31,306	22,493	23,707	23,683
IMPORTS INTO ALBERTA	-14,701	-18,381	-18,691	-17,492	-17,565	-19,186	-18,328	-19,163	-21,275
RESIDUAL	-980	-1,230	-915	-253	354	419	304	1,342	1,747
GROSS DOMESTIC PRODUCT AT MARKET PRICES	43,347	50,513	53,710	55,153	58,713	62,858	56,278	58,818	62,610

(1) PRELIMINARY - SUBJECT TO REVISION
(2) CURRENT REFERS TO CURRENT OPERATING EXPENDITURES ON GOODS AND SERVICES, RATHER THAN FIXED CAPITAL EXPENDITURES

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

NOTE: DATA FOR 1961 TO 1988 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

TABLE 3

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, INCOME BASED

(SELECTED COMPONENTS)

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
	(PERCENT)								
WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	20.5	23.7	10.1	0.3	3.2	7.5	1.8	3.6	7.0
CORPORATION PROFITS	21.4	-9.3	-1.0	22.9	12.6	6.8	-46.1	30.6	-8.3
INTEREST AND MISCELLANEOUS INVESTMENT INCOME	25.7	17.2	15.8	3.7	11.1	2.5	-23.8	-3.7	11.7
ACCRUED NET INCOME OF FARM OPERATORS	16.9	-20.5	-25.0	-41.5	3.8	5.2	177.7	-28.4	85.8
NET INCOME OF NON-FARM UNINCORPORATED BUSINESS	11.6	11.9	16.0	19.7	9.7	8.8	6.9	6.9	4.3
CAPITAL CONSUMPTION ALLOWANCES	23.6	21.6	12.2	7.5	12.4	5.7	6.7	2.4	6.2
GROSS DOMESTIC PRODUCT AT FACTOR COST	21.7	13.6	9.7	6.3	8.2	6.3	-10.6	4.8	6.2
INDIRECT TAXES LESS SUBSIDIES	4.8	75.8	-29.3	-47.6	-17.5	56.0	-9.7	67.9	25.5
GROSS DOMESTIC PRODUCT AT MARKET PRICES	20.9	16.5	6.3	2.7	6.5	7.1	-10.5	4.5	6.4

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

TABLE 4

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

(SELECTED COMPONENTS)

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	19.2	19.4	8.7	5.5	4.2	8.5	6.0	4.3	7.1
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	11.1	25.3	17.0	11.8	10.6	7.0	1.6	2.4	7.4
GROSS FIXED CAPITAL FORMATION	19.4	28.5	-3.4	-24.1	-11.7	10.3	-8.7	3.5	19.4
GOVERNMENT	32.7	53.5	29.7	-20.3	-17.7	11.6	0.5	-10.5	-5.5
BUSINESS	18.2	25.9	-7.6	-24.8	-10.5	10.0	-10.3	6.3	23.5
RESIDENTIAL CONSTRUCTION	-1.9	11.0	-18.6	-22.8	-30.1	7.7	3.0	20.3	14.8
NON-RESIDENTIAL CONSTRUCTION	39.1	24.3	-3.7	-27.1	-5.1	17.3	-15.9	-0.7	22.3
MACHINERY AND EQUIPMENT	5.8	41.7	-7.0	-21.8	-8.2	-1.2	-5.5	11.5	30.3
FINAL DOMESTIC DEMAND	18.1	23.9	4.7	-5.0	0.4	8.7	1.1	3.7	10.2
EXPORTS OUT OF ALBERTA	25.7	12.3	9.0	6.2	9.0	4.2	-28.2	5.4	-0.1
IMPORTS INTO ALBERTA	17.9	25.0	1.7	-6.4	0.4	9.2	-4.5	4.6	11.0
GROSS DOMESTIC PRODUCT AT MARKET PRICES	20.9	16.5	6.3	2.7	6.5	7.1	-10.5	4.5	6.4

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

TABLE 5

GROSS DOMESTIC PRODUCT IN CONSTANT (1981) DOLLARS

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
	(MILLIONS OF DOLLARS)								
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	19,421	20,525	19,998	20,108	20,558	21,637	22,118	22,194	23,203
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	5,818	6,282	6,563	6,808	7,229	7,484	7,300	7,112	7,346
GROSS FIXED CAPITAL FORMATION	16,458	19,440	17,746	13,776	12,180	13,128	12,085	12,677	15,000
GOVERNMENT	1,594	2,192	2,653	2,170	1,831	2,018	2,036	1,866	1,720
BUSINESS	14,904	17,248	15,093	11,606	10,349	11,110	10,049	10,811	13,280
RESIDENTIAL CONSTRUCTION	3,427	3,416	2,759	2,179	1,496	1,588	1,585	1,852	2,080
NON-RESIDENTIAL CONSTRUCTION	7,443	8,697	7,860	5,831	5,552	6,253	5,329	5,328	6,176
MACHINERY AND EQUIPMENT	4,086	5,135	4,474	3,596	3,301	3,269	3,135	3,631	5,024
ADJUSTING ENTRY	-52	-	-	-	-	-	-	-	-
ADJUSTING ENTRY	-40	-	-	-	-	-	-	-	-
ADJUSTING ENTRY	151	-	-	-	-	-	-	-	-
FINAL DOMESTIC DEMAND	41,848	46,247	44,307	40,692	39,967	42,249	41,503	41,983	45,549
INVENTORIES	614	88	-911	-540	-244	67	1,061	99	-16
NON-FARM	466	118	-913	-394	105	157	188	197	217
FARM	111	2	-5	-182	-327	30	700	-103	-110
GRAIN IN COMMERCIAL CHANNELS	37	-32	7	36	-22	-120	173	5	-123
EXPORTS OUT OF ALBERTA	23,041	23,789	23,369	23,350	24,791	25,291	24,455	26,371	28,869
IMPORTS INTO ALBERTA	-15,979	-18,381	-17,727	-16,409	-15,725	-16,897	-15,722	-16,416	-18,161
RESIDUAL	-1,091	-1,230	-821	-215	296	340	278	1,219	1,627
ADJUSTING ENTRY	-752	-	-	-	-	-	-	-	-
GROSS DOMESTIC PRODUCT AT MARKET PRICES	47,530	50,513	48,217	46,878	49,085	51,050	51,575	53,256	57,868

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

NOTE: DATA FOR 1961 TO 1988 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6102

TABLE 6

IMPLICIT PRICE INDEXES, GROSS DOMESTIC PRODUCT, 1981=100

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	88.5	100.0	111.6	117.1	119.3	123.1	127.6	132.6	135.8
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	86.2	100.0	112.0	120.6	125.7	129.9	135.3	142.2	147.8
GROSS FIXED CAPITAL FORMATION	91.9	100.0	105.8	103.4	103.3	105.7	104.8	103.4	104.4
GOVERNMENT	89.6	100.0	107.1	104.4	101.9	103.2	102.8	100.4	102.9
BUSINESS	91.9	100.0	105.6	103.2	103.6	106.1	105.2	104.0	104.6
RESIDENTIAL CONSTRUCTION	89.8	100.0	100.8	98.5	100.3	101.8	105.0	108.1	110.5
NON-RESIDENTIAL CONSTRUCTION	94.0	100.0	106.6	104.7	104.3	108.6	107.2	106.5	112.4
MACHINERY AND EQUIPMENT	88.7	100.0	106.7	103.8	103.8	103.5	102.0	98.2	92.4
FINAL DOMESTIC DEMAND	89.2	100.0	109.3	113.1	115.6	118.9	122.3	125.4	127.4
EXPORTS OUT OF ALBERTA	91.9	100.0	111.0	118.0	121.2	123.8	92.0	89.9	82.0
IMPORTS INTO ALBERTA	92.0	100.0	105.4	106.6	111.7	113.5	116.6	116.7	117.1
GROSS DOMESTIC PRODUCT AT MARKET PRICES	91.2	100.0	111.4	117.7	119.6	123.1	109.1	110.4	108.2

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

NOTE: DATA FOR 1961 TO 1988 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6104

TABLE 7

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT

IN CONSTANT (1981) DOLLARS, SELECTED COMPONENTS

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	7.7	5.7	-2.6	0.6	2.2	5.2	2.2	0.3	4.5
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	1.5	8.0	4.5	3.7	6.2	3.5	-2.5	-2.6	3.3
GROSS FIXED CAPITAL FORMATION	6.3	18.1	-8.7	-22.4	-11.6	7.8	-7.9	4.9	18.3
GOVERNMENT	22.0	37.5	21.0	-18.2	-15.6	10.2	0.9	-8.3	-7.8
BUSINESS	4.8	15.7	-12.5	-23.1	-10.8	7.4	-9.5	7.6	22.8
RESIDENTIAL CONSTRUCTION	-9.9	-0.3	-19.2	-21.0	-31.3	6.1	-0.2	16.8	12.3
NON-RESIDENTIAL CONSTRUCTION	21.8	16.8	-9.6	-25.8	-4.8	12.6	-14.8	-	15.9
MACHINERY AND EQUIPMENT	-4.2	25.7	-12.9	-19.6	-8.2	-1.0	-4.1	15.8	38.4
FINAL DOMESTIC DEMAND	6.3	10.5	-4.2	-8.2	-1.8	5.7	-1.8	1.2	8.5
EXPORTS OUT OF ALBERTA	1.9	3.2	-1.8	-0.1	6.2	2.0	-3.3	7.8	9.5
IMPORTS INTO ALBERTA	4.6	15.0	-3.6	-7.4	-4.2	7.5	-7.0	4.4	10.6
GROSS DOMESTIC PRODUCT AT MARKET PRICES	4.9	6.3	-4.5	-2.8	4.7	4.0	1.0	3.3	8.7

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

TABLE 8

PERCENT CHANGE FOR IMPLICIT PRICE INDEXES, 1981=100

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	10.6	13.0	11.6	4.9	1.9	3.2	3.7	3.9	2.4
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	9.5	16.0	12.0	7.7	4.2	3.3	4.2	5.1	3.9
GROSS FIXED CAPITAL FORMATION	12.3	8.8	5.8	-2.3	-0.1	2.3	-0.9	-1.3	1.0
GOVERNMENT	8.9	11.6	7.1	-2.5	-2.4	1.3	-0.4	-2.3	2.5
BUSINESS	12.8	8.8	5.6	-2.3	0.4	2.4	-0.8	-1.1	0.6
RESIDENTIAL CONSTRUCTION	8.8	11.4	0.8	-2.3	1.8	1.5	3.1	3.0	2.2
NON-RESIDENTIAL CONSTRUCTION	14.2	6.4	6.6	-1.8	-0.4	4.1	-1.3	-0.7	5.5
MACHINERY AND EQUIPMENT	10.5	12.7	6.7	-2.7	-	-0.3	-1.4	-3.7	-5.9
FINAL DOMESTIC DEMAND	11.1	12.1	9.3	3.5	2.2	2.9	2.9	2.5	1.6
EXPORTS OUT OF ALBERTA	23.4	8.8	11.0	6.3	2.7	2.1	-25.7	-2.3	-8.8
IMPORTS INTO ALBERTA	12.7	8.7	5.4	1.1	4.8	1.6	2.7	0.1	0.3
GROSS DOMESTIC PRODUCT AT MARKET PRICES	15.3	9.6	11.4	5.7	1.6	2.9	-11.4	1.2	-2.0

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

TABLE 9

GROSS DOMESTIC PRODUCT AT FACTOR COST (1), BY INDUSTRY

	1980	1981	1982	1983	1984	1985	1986	1987	1988(9)
	(MILLIONS OF DOLLARS)								
AGRICULTURE (2)	1,889	1,902	1,827	1,540	1,592	1,653	2,303	2,144	2,750
FORESTRY (3)	84	99	116	110	116	124	127	157	172
MINING	9,981	9,284	10,420	12,531	14,431	15,347	9,177	10,580	9,873
MANUFACTURING	2,875	3,686	3,438	3,576	3,972	4,251	4,297	4,674	5,160
CONSTRUCTION	3,015	4,109	4,088	3,219	2,727	2,850	2,761	3,014	3,406
TRANSPORTATION (4)	2,633	2,935	3,342	3,439	3,678	3,924	4,142	4,334	4,650
UTILITIES	751	1,012	1,347	1,520	1,775	1,928	1,960	1,998	2,241
TRADE (5)	3,199	3,731	3,910	3,984	4,359	4,795	5,059	5,211	5,771
FINANCE (6)	8,407	9,920	11,175	12,220	13,235	13,955	11,768	11,294	12,113
FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES	4,497	5,849	6,654	7,463	8,179	9,042	9,203	9,256	10,040
SERVICES (7)	5,885	7,187	8,285	8,625	9,169	9,792	10,270	10,962	11,730
PUBLIC ADMINISTRATION (8)	1,802	2,173	2,552	2,933	3,020	3,112	3,321	3,446	3,544
GROSS DOMESTIC PRODUCT AT FACTOR COST	40,521	46,036	50,498	53,697	58,074	61,729	55,183	57,813	61,411

(1) GDP AT MARKET PRICE IS OBTAINED BY ADDING INDIRECT TAXES LESS SUBSIDIES, PLUS RESIDUAL; SEE TABLE 1
(2) INCLUDES FISHING AND TRAPPING
(3) INCLUDES ONLY LOGGING AND SERVICES INCIDENTAL TO FORESTRY; EXCLUDES SAWMILLS, PULP AND PAPER MILLS, ETC. WHICH ARE INCLUDED IN MANUFACTURING
(4) INCLUDES STORAGE AND COMMUNICATIONS
(5) INCLUDES RETAIL AND WHOLESALE TRADE
(6) INCLUDES INSURANCE AND REAL ESTATE; ALSO INCLUDES NATURAL RESOURCE ROYALTIES
(7) INCLUDES COMMUNITY, BUSINESS AND PERSONAL SERVICES
(8) INCLUDES FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT ADMINISTRATION; DOES NOT INCLUDE PUBLIC SCHOOLS AND PUBLIC HOSPITALS WHICH ARE INCLUDED IN SERVICES
(9) PRELIMINARY - SUBJECT TO REVISION

NOTES: COMPONENTS MAY NOT ADD TO TOTALS DUE TO ROUNDING.
DATA FOR 1961 TO 198 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6101

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989

TABLE 10

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT

AT FACTOR COST, BY INDUSTRY

	1980	1981	1982	1983	1984	1985	1986	1987	1988(1)
	(PERCENT)								
AGRICULTURE (2)	18.0	0.7	-3.9	-15.7	3.4	3.8	37.3	-6.9	28.3
FORESTRY (3)	13.5	17.9	17.2	-5.2	5.5	6.9	2.4	23.6	9.6
MINING	29.0	-7.0	12.2	20.3	15.2	6.3	-40.2	15.3	-6.7
MANUFACTURING	17.3	28.2	-6.7	4.0	11.1	7.0	1.1	8.8	10.4
CONSTRUCTION	21.0	36.3	-0.5	-21.3	-15.3	4.5	-3.1	9.2	13.0
TRANSPORTATION (4)	17.4	11.5	13.9	2.9	6.9	6.7	5.6	4.6	7.3
UTILITIES	-3.8	34.8	33.1	12.8	16.8	8.6	1.7	1.9	12.2
TRADE (5)	21.7	16.6	4.8	1.9	9.4	10.0	5.5	3.0	10.7
FINANCE (6)	24.1	18.0	12.7	9.4	8.3	5.4	-15.7	-4.0	7.3
FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES	26.0	30.1	13.8	12.2	9.6	10.6	1.8	0.6	8.5
SERVICES (7)	18.9	22.1	15.3	4.1	6.3	6.8	4.9	6.7	7.0
PUBLIC ADMINISTRATION (8)	15.2	20.6	17.4	14.9	3.0	3.0	6.7	3.8	2.8
GROSS DOMESTIC PRODUCT AT FACTOR COST	21.7	13.6	9.7	6.3	8.2	6.3	-10.6	4.8	6.2

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, JUNE, 1989